

IN THE SPECIFICATION

Please replace the paragraph beginning at page 7, line 6, with the following rewritten paragraph:

The communication system includes a mobile station 1, N base stations 2-1 [[-]] through 2-N and a backbone network 3. The communication system is configured as an IP network so that a unique IP address is assigned to each of the base stations 2-1 [[-]] through 2-N as shown in Fig. 1B.

Please replace the paragraph beginning at page 7, line 19, with the following rewritten paragraph:

Each of the base stations 2-1 [[-]] through 2-3 which has received the up-link signal judges whether the received up-link signal includes an error. After the error judgment is performed by each base station, each of the base stations 2-1 and 2-3 sends the result of the error judgment, via the backbone network 3, to the base station 2-2 which is the communication partner of the mobile station 1. In this example, the base stations 2-1 and 2-3 can recognize that the base station 2-2 is the communication partner of the mobile station 1 by using the up-link signal.

Please replace the paragraph beginning at page 9, line 29, with the following rewritten paragraph:

This communication system includes a mobile station 1, N base stations 2-1 [[-]] through 2-N, and a backbone network 3 like the communication system shown in Fig. 1A. This communication system forms an IP network in which each of the base stations 2-1 [[-]] through 2-N has a unique IP address. In addition to the unique IP address, each of the base

stations 2-1 [-] through 2-N has a same IP address (base station multicast address) in order to allow multicast communication as shown in Fig. 2B.

Please replace the paragraph beginning at page 10, line 2, with the following rewritten paragraph:

This embodiment corresponds to a case where the mobile station 1 sends an up-link signal without specifying a base station of a communication partner of the mobile station. The up-link signal is received by the base stations 2-1 [-] through 2-3.

Please replace the paragraph beginning at page 10, line 7, with the following rewritten paragraph:

Each of the base stations 2-1 [-] through 2-3 which received the up-link signal judges whether the received up-link signal includes an error and measures the power level (received power level). The result of error judgment and the received power level is included in a multicast packet which has the base station multicast address as its destination. The multicast packet is sent to other base stations via backbone network 3.

Please replace the paragraph beginning at page 10, line 16, with the following rewritten paragraph:

When the base stations 2-1 [-] through 2-3 receive the multicast packet, each base station generates a retransmission control table from the results of error judgment and the received signal power levels included in the multicast packets and the result of error judgment and the received signal power level obtained by the base station itself.

Please replace the paragraph beginning at page 10, line 35, with the following rewritten paragraph:

After generating the retransmission control table, each of the base stations 2-1 [[-]] through 2-3 judges whether the received signal power level of the base station itself is larger than any other received signal power levels in the retransmission control table. The base station having the largest received signal power level analyzes the results of error judgment in the retransmission table and judges whether the table includes an result of error judgment indicating that the received up-link signal includes no error.

Please replace the paragraph beginning at page 11, line 21, with the following rewritten paragraph:

Fig. 4 shows a flowchart of the operation of the base station in the second embodiment. When the base stations 2-1 [[-]] through 2-3 receive the up-link signal from the mobile station 1 in step 1, each base station judges whether the up-link signal includes an error and measures the received signal power level in step 2. Then, each base station sends the multicast packet which includes the result of error judgment and the received signal power level, and receives multicast packets from other base stations in step 3.

Please replace the Abstract at page 17 with the following rewritten Abstract:

ABSTRACT OF THE DISCLOSURE

A retransmission control method is provided. In the method, each of the all base stations 2-1 — 2-3 performs perform error judgment for a signal sent from a mobile station 1. Then, [[the]] first and second base stations 2-1 — 2-3 sends send results of error judgment to [[the]] a third base station [[2-2]] which is a communication partner of the mobile station 1. The third base station [[2-2]] sends NACK for requesting retransmission to the mobile station

1 only when every result of error judgment of the first and second base stations 2-1—2-3 indicates that there is an error.